![SparkLAN — Connections Made Easy]

WPIR-300 Wireless 802.11g MIMO PCI Adapter

8x greater coverage than ever before!

Reach farther coverage

Integrated by MIMO technology, SparkLAN WPIR-300 PCI Adapter delivers wider coverage with up to 800% coverage than before—with exceptional speed benefits. WPIR-300 PCI Adapter is designed to work with SparkLAN WRTR-300 wireless router to offer reliable and high-speed data transmission over an extended range throughput. It is very suitable for wide area office or home as WPIR-300 Pre-n MIMO PCI adapter can extend the coverage range and bring you greater performance for applications, such as fast file or photos downloading, from other devices.
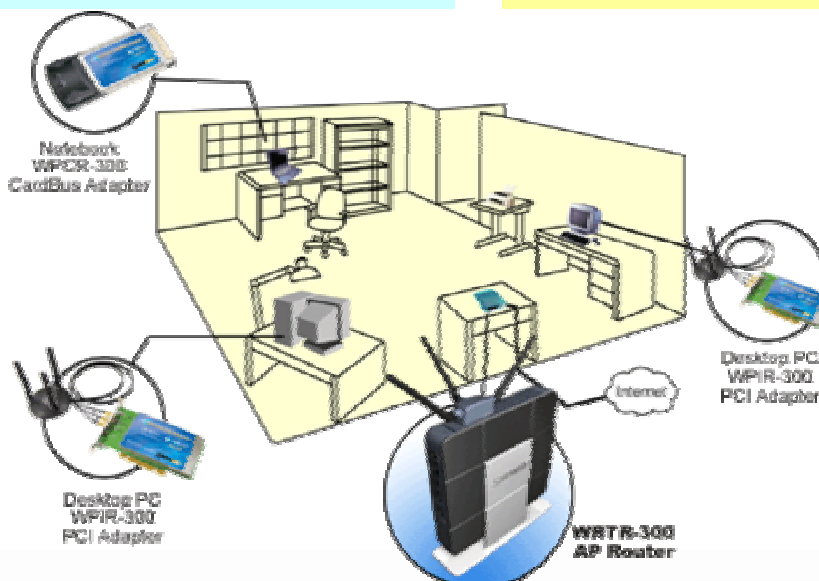
Maximize your network security

To protect wireless network security and privacy from eavesdroppers, the WPIR-300 can encode all wireless transmissions with 64/128bit WEP. It also features such WPA-PSK via TKIP and AES to keep your wireless network secure.

Benefits
- MIMO technology
- Wider coverage
- 64/128bit WEP encryption and WPA-pre shared key with AES and TKIP secure your data transmission
- MAC Address filtering for preventing illegal attacking

Features
- Fully compliable with IEEE 802.11b/g
- Easy-to-setup
- Support Windows 98SE/ME/2000/XP

Specifications

Hardware Features	
Interface	PCI rev2.3 Interface
LED Indicators	Power, Network link
Antenna	Detachable 2dBi reverse SMA antenna

Radio Characteristics	
Standard	IEEE802.11b/g
Frequency Bands	802.11b/g :ISM-Band 2.412~ 2.4835GHz
Modulation	802.11a/g: OFDM 802.11b: CCK,DQPSK, DBPSK
Transmitted Power	802.11g: 13~15dBm 802.11b: 17~19dBm
Receive Sensitivity	802.11g 54Mbps @ -77dBm
Data Rates	802.11b: 11, 5.5, 2, 1Mbps 802.11g : 54, 48, 36, 24, 18, 12, 9, 6 Mbps
Power Consumption	TX:320mA@5V RX:350mA@5V

Software Features	
Protocol Support	●TCP/IP, IPX, NetBEUI
Security	● 64/128 WEP ● WPA with TKIP and AES
Software Support	Windows 98SE/ME/2000/XP

Environmental Specifications	
Dimensions	PCI Adapter 170x120x20mm Antenna:85x120mm (diameter x H)
Weight	220g
Temperature	Operating: 0ºC to 65ºC Storage: -20ºC to 85ºC (-40ºF to 185ºF)
Humidity	Operating Humidity: 10%~85%,(non-condensing) Operating Humidity: 5%~85%,(non-condensing)

Power Supply	
Output	DC 5.0V

Certification
FCC, CE

Warranty
1 Year

Package Contents	
■ WPIR-300 Pre-N MIMO PCI Adapter	
■ CD-ROM (Driver, Utility, QIG, User Manual)	■ Multi-Language Quick Installation Guide

WRTR-300 Wireless MIMO-G

AP Router

WPCR-300 Wireless MIMO-G

Cardbus Adapter